

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO.  511.33114CC6	APPLICATION NO.  TBD
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)		<b>APPLICANT</b> HAGIWARA, et al.	
		<b>FILING DATE</b> November 17, 2003	<b>EXPECTED GROUP</b> 1752

**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
JSC	AA 4,243,743	1-6-81	Hiramoto, et al.			
	AB 5,238,784	8-93	Tokoh, et al.	430	196	
	AC 4,608,333	8-86	Ohbayashi, et al.	430	906	
	AD 4,565,767	1-86	Kataoka, et al.	430	196	
	AE 4,451,551	5-84	Kataoka, et al.	430	197	
	AF 4,587,197	5-86	Kojima, et al.	430	196	
	AG 4,783,391	11-88	Ohbayashi, et al.	430	196	
	AH					
	AI					
	AJ					
	AK					
	AL					

**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
JSC	AM 3-36861	6-3-91	Japan				
	AN 718696A2	6-26-96	Europe				
	AO 418870A2	3-27-91	Europe				
	AP 624826A1	11-17-94	Europe				
	AQ						
	AR						
	AS						
	AT						

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

JSC	AU	The Society of Polymer Science, Japan, Polymer Preprints, Japan. Vol. 41, No. 1 (1992).				
	AV	The Society of Polymer Science, Japan, Polymer Preprints, Japan. Vol. 42, No. 7 (1993).				
	AW	The Society of Polymer Science, Japan, Polymer Preprints, Japan. Vol. 42, No. 2 (1993).				
	AX					
	AY					
	AZ					
Examiner JSC				Date Considered 7/2006		